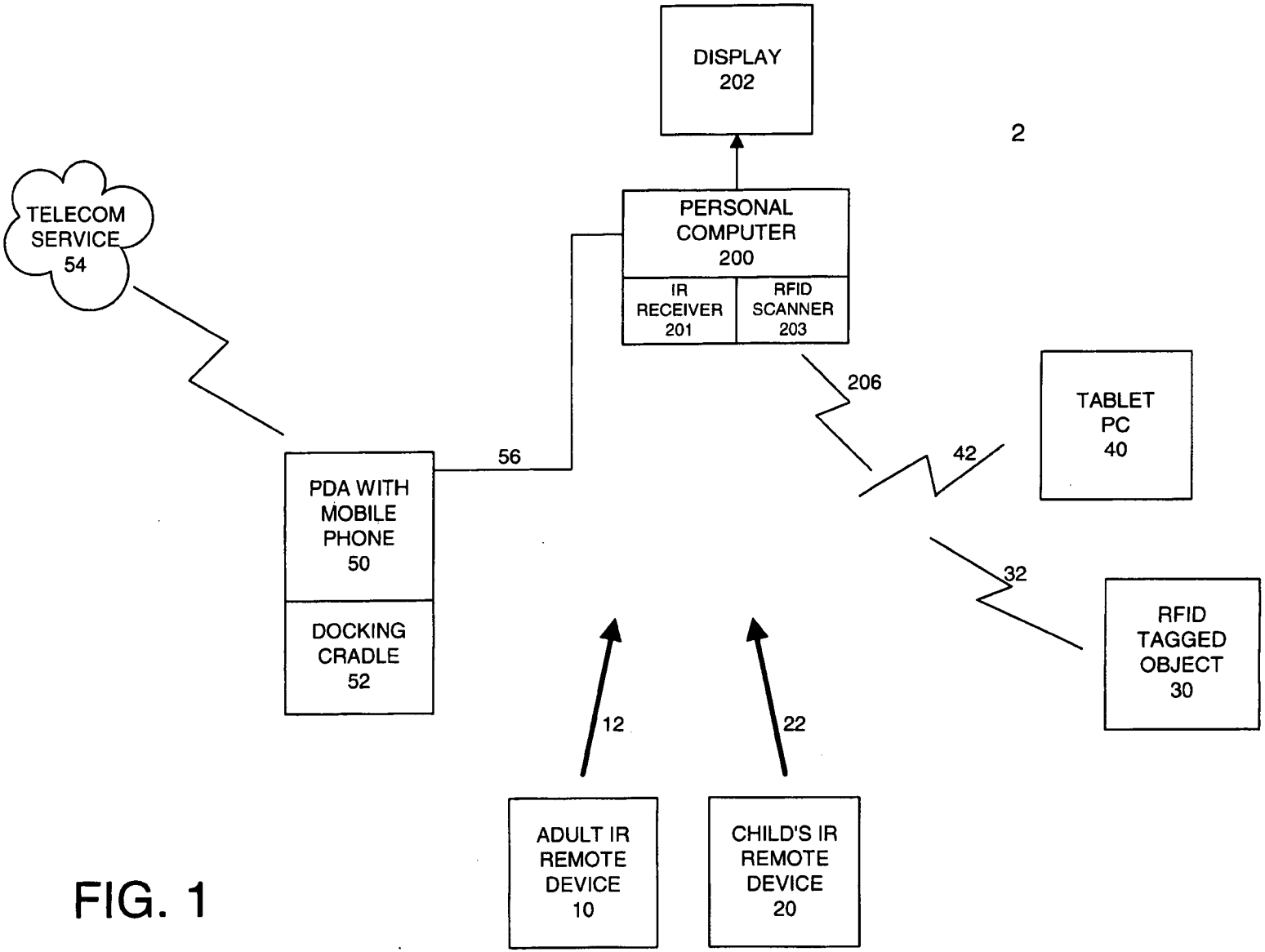
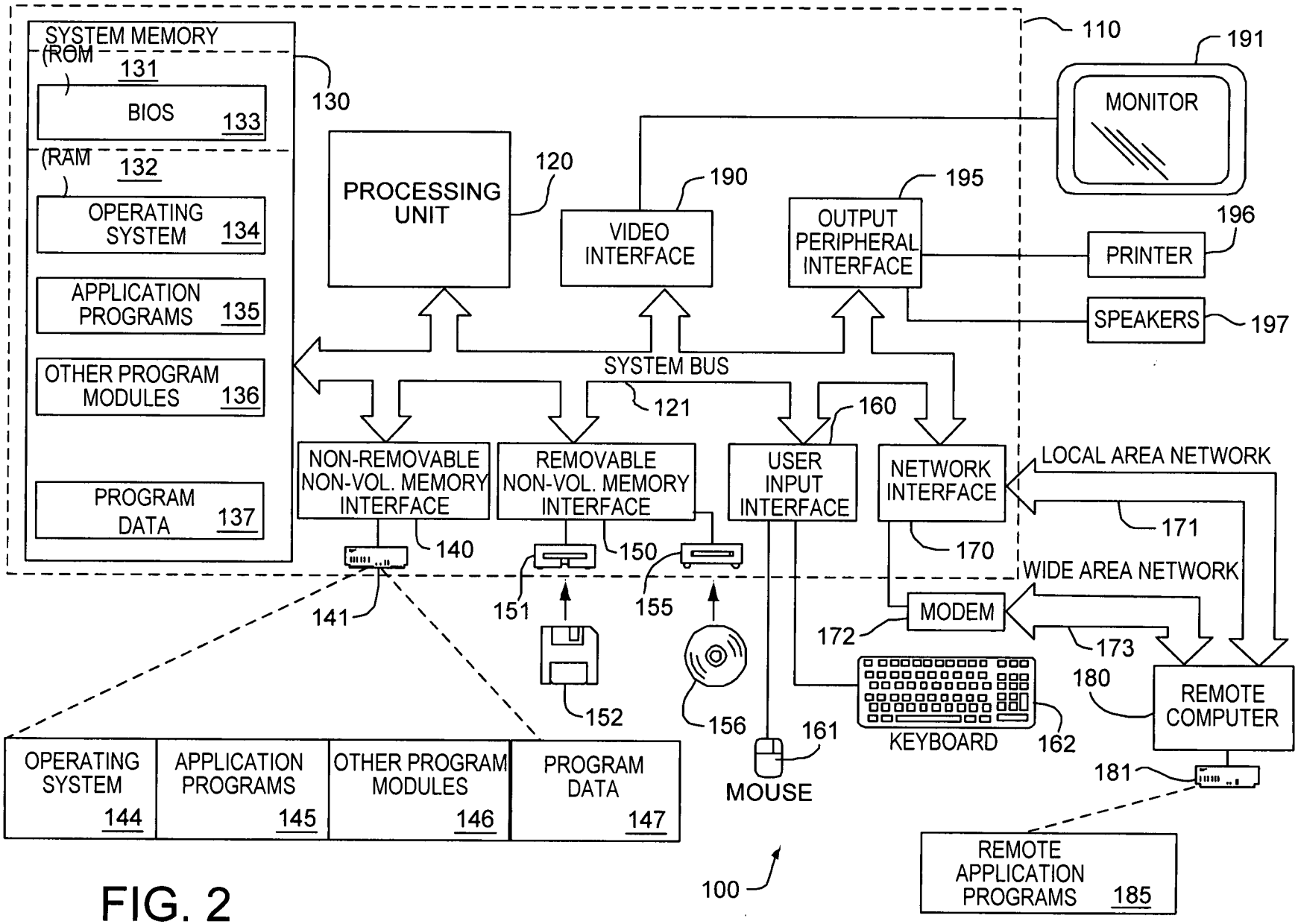

DISPLAY
202
2
TELECOM
SERVICE
54
PERSONAL
COMPUTER
200
IR
RECEIVER
201
RFID
SCANNER
203
206
TABLET
PC
40
56
42
PDA WITH
MOBILE
PHONE
50
DOCKING
CRADLE
52
32
RFID
TAGGED
OBJECT
30
12
22
ADULT IR
REMOTE
DEVICE
10
CHILD'S IR
REMOTE
DEVICE
20

FIG. 1


SYSTEM MEMORY
(ROM 131
BIOS 133
(RAM 132
OPERATING SYSTEM 134
APPLICATION PROGRAMS 135
OTHER PROGRAM MODULES 136
PROGRAM DATA 137
130
PROCESSING UNIT
120
VIDEO INTERFACE
190
OUTPUT PERIPHERAL INTERFACE
195
MONITOR
191
110
PRINTER
196
SPEAKERS
197
SYSTEM BUS
121
160
NON-REMOVABLE NON-VOL. MEMORY INTERFACE
REMOVABLE NON-VOL. MEMORY INTERFACE
USER INPUT INTERFACE
NETWORK INTERFACE
LOCAL AREA NETWORK
171
170
WIDE AREA NETWORK
MODEM
172
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140
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KEYBOARD
162
180
REMOTE COMPUTER
181
OPERATING SYSTEM 144
APPLICATION PROGRAMS 145
OTHER PROGRAM MODULES 146
PROGRAM DATA 147
100
REMOTE APPLICATION PROGRAMS 185

FIG. 2

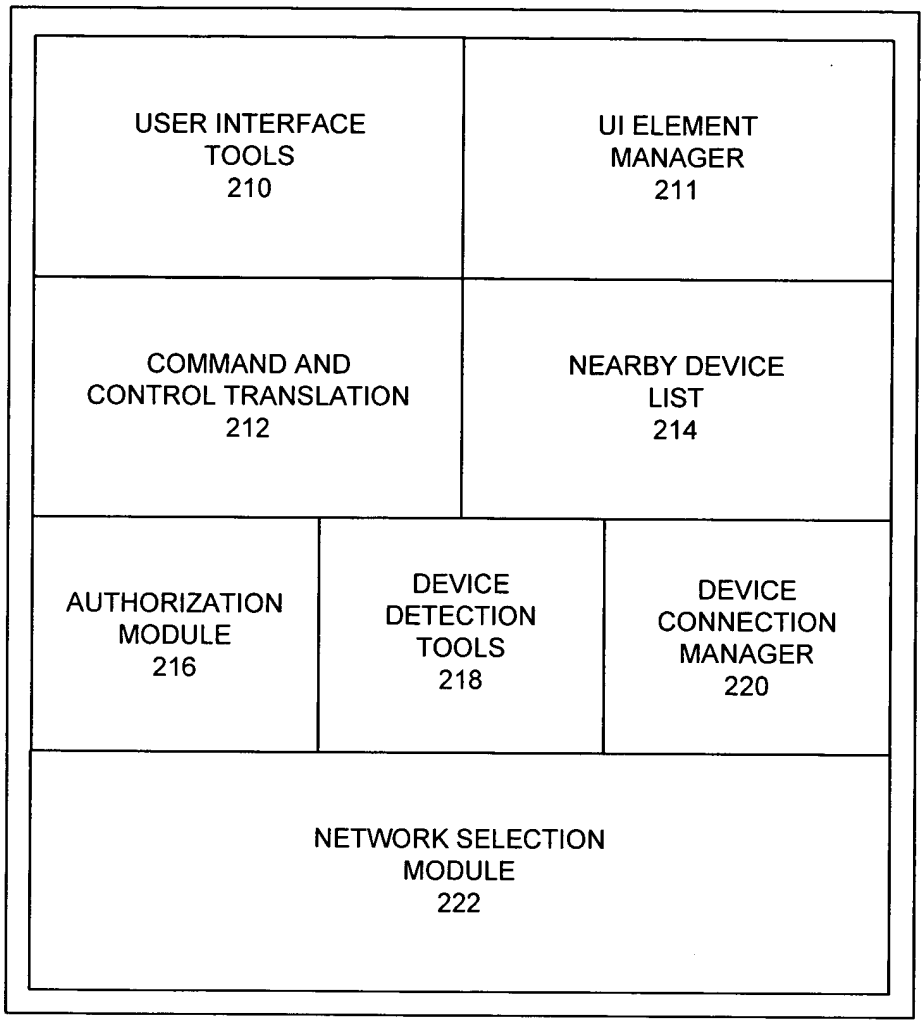
USER INTERFACE TOOLS 210
UI ELEMENT MANAGER 211
COMMAND AND CONTROL TRANSLATION 212
NEARBY DEVICE LIST 214
AUTHORIZATION MODULE 216
DEVICE DETECTION TOOLS 218
DEVICE CONNECTION MANAGER 220
NETWORK SELECTION MODULE 222

FIG. 3

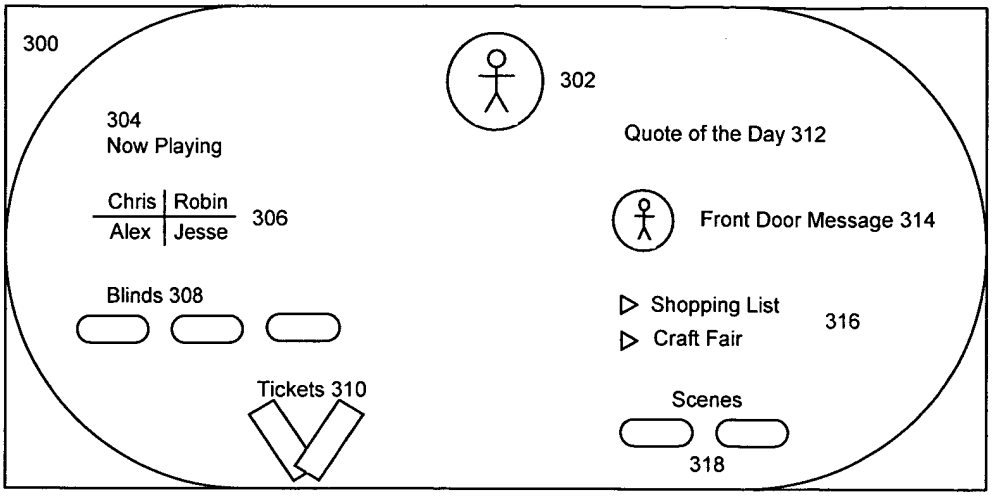

FIG. 4A

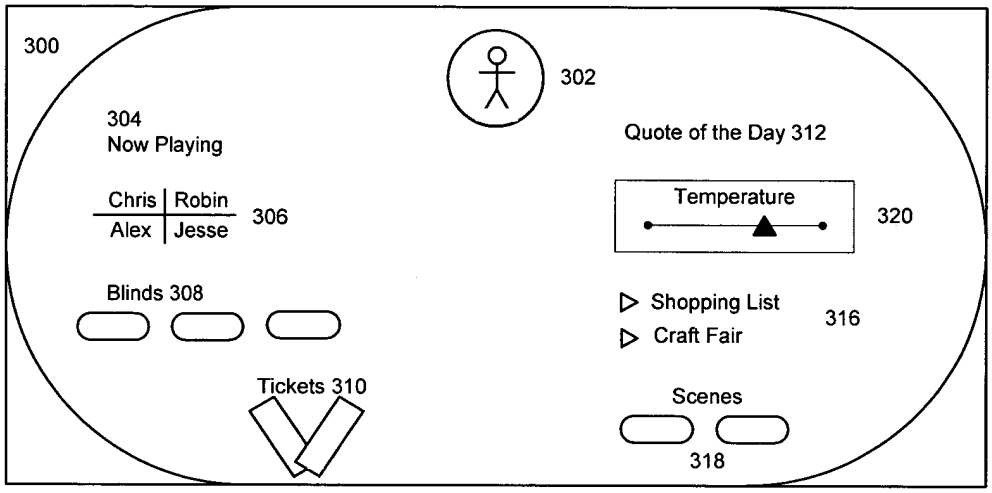

FIG. 4B

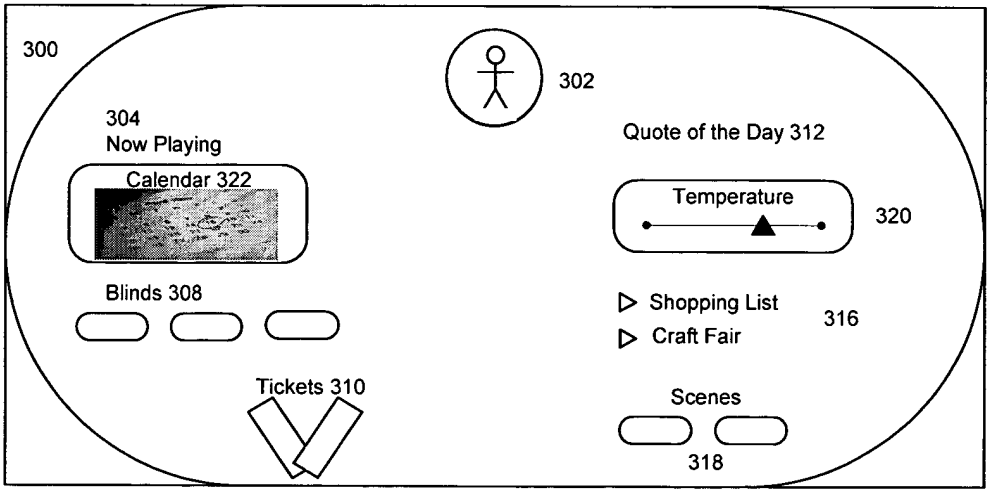

FIG. 4C

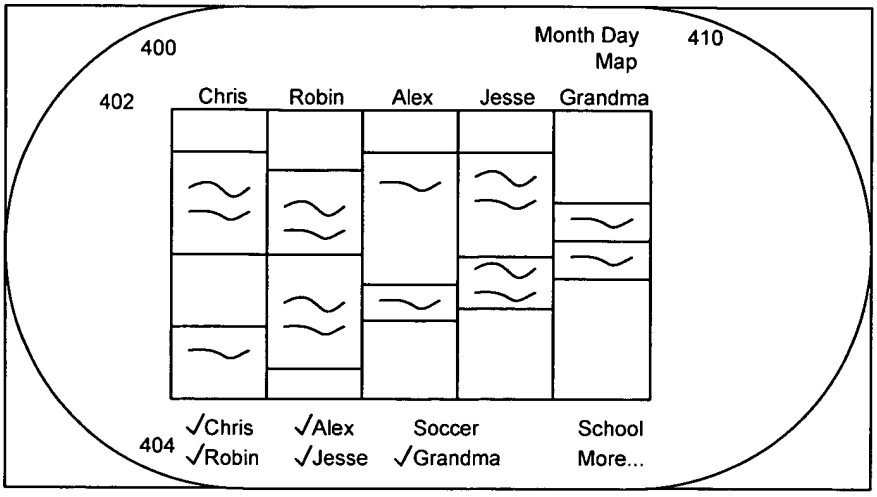
400
Month Day
Map
410
402
Chris
Robin
Alex
Jesse
Grandma
404
✓Chris
✓Robin
✓Alex
✓Jesse
Soccer
✓Grandma
School
More...

FIG. 5A

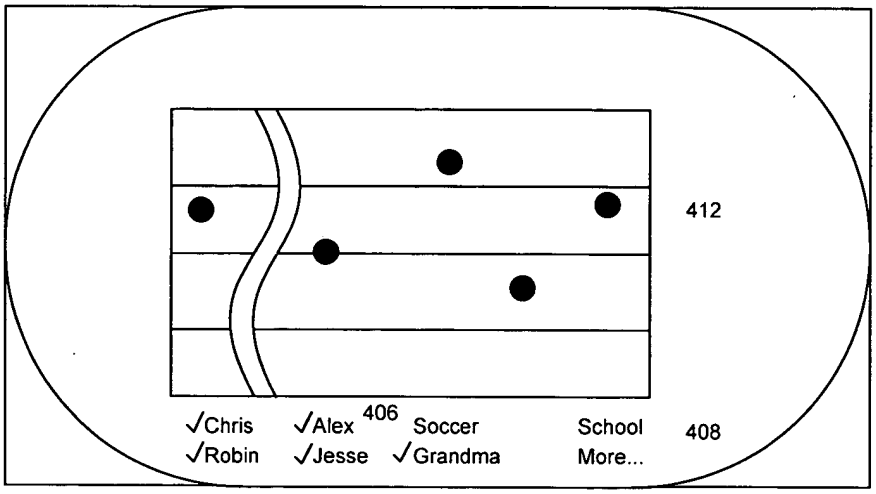
412
406
✓Chris
✓Robin
✓Alex
✓Jesse
Soccer
✓Grandma
School
More...
408

FIG. 5B

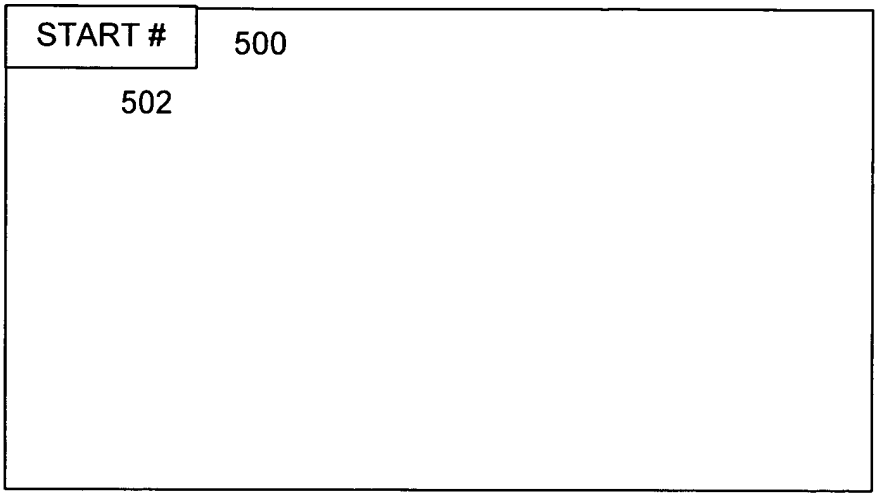

FIG. 6A

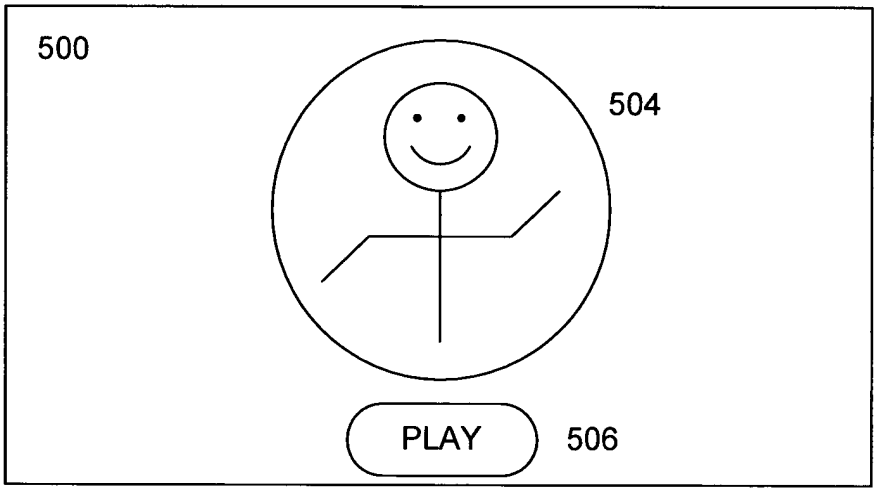

FIG. 6B

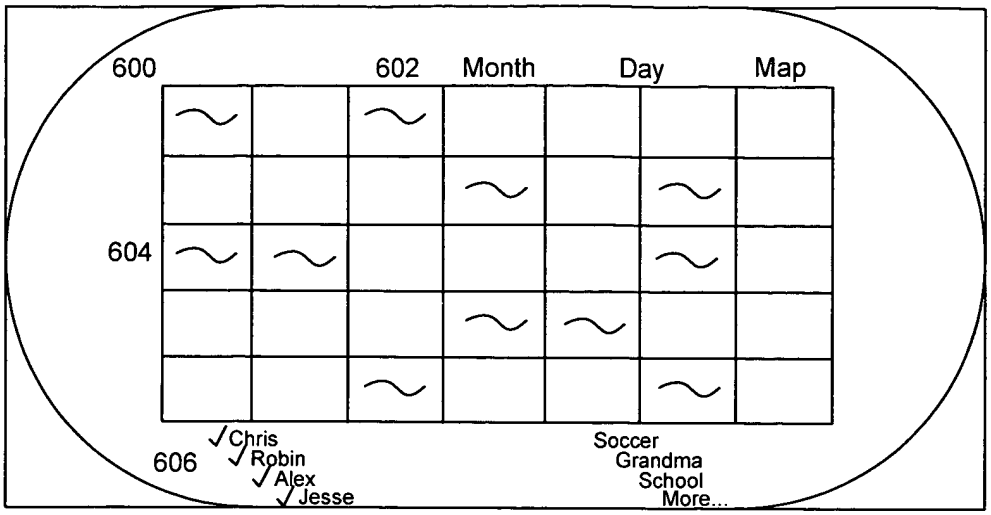

FIG. 7A

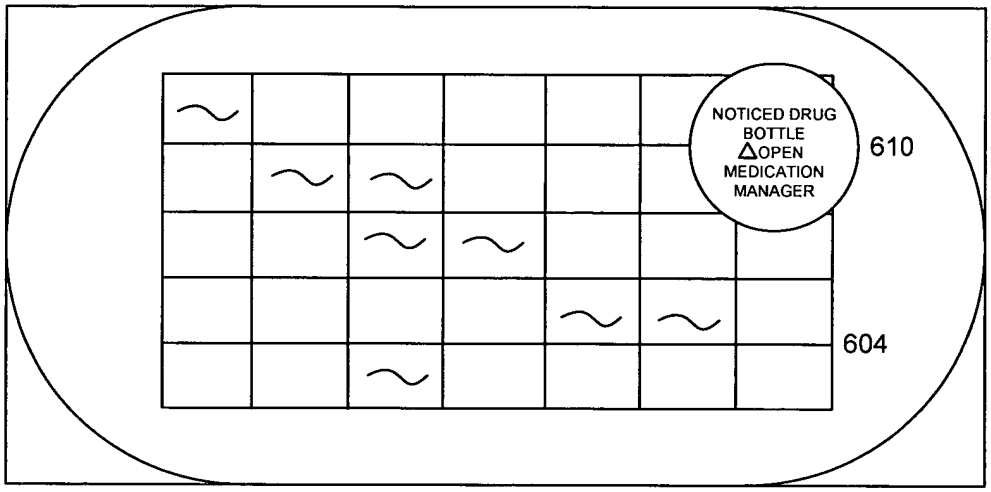

FIG. 7B

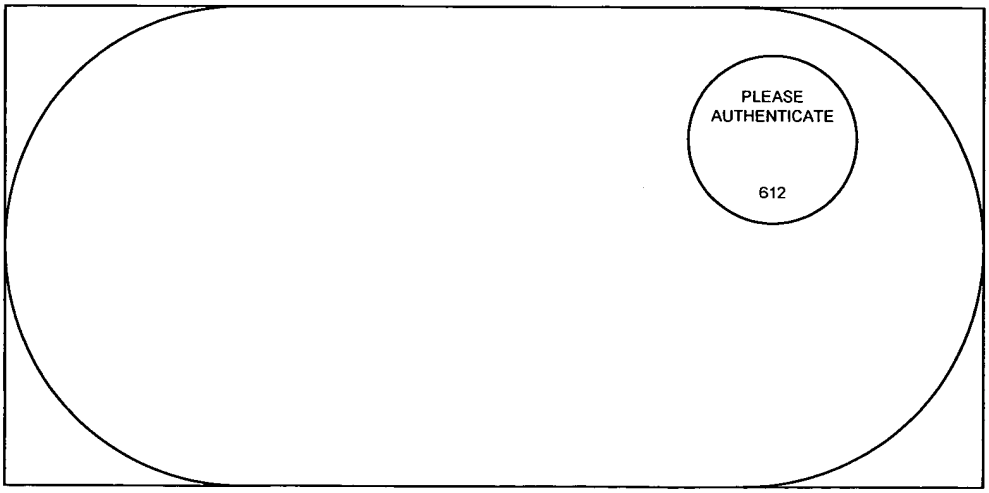

FIG. 7C

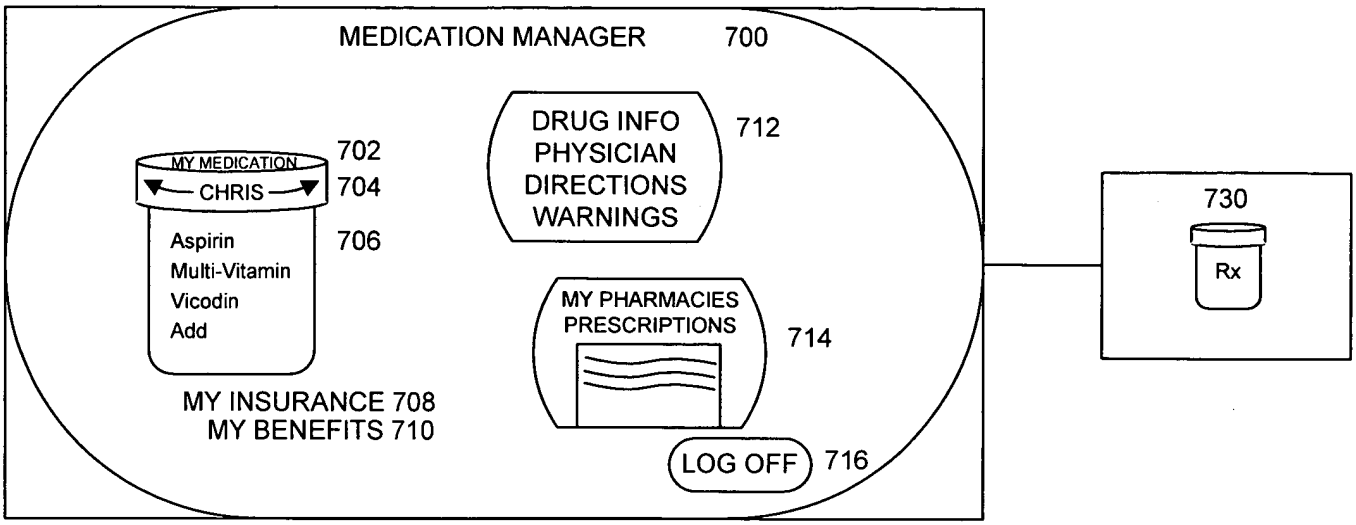
MEDICATION MANAGER
700
DRUG INFO
PHYSICIAN
DIRECTIONS
WARNINGS
712
MY MEDICATION
CHRIS
702
704
Aspirin
Multi-Vitamin
Vicodin
Add
706
MY PHARMACIES
PRESCRIPTIONS
714
MY INSURANCE 708
MY BENEFITS 710
LOG OFF
716
730
Rx

FIG. 8A

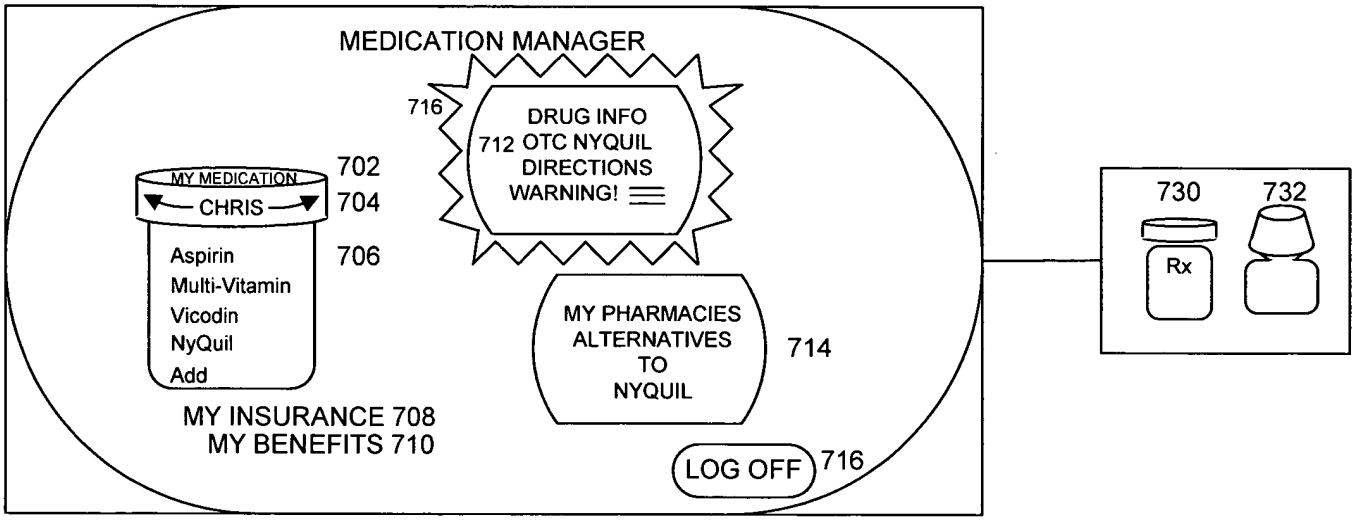
MEDICATION MANAGER
716
DRUG INFO
712 OTC NYQUIL
DIRECTIONS
WARNING!
MY MEDICATION
CHRIS
702
704
Aspirin
Multi-Vitamin
Vicodin
NyQuil
Add
706
MY PHARMACIES
ALTERNATIVES
TO
NYQUIL
714
MY INSURANCE 708
MY BENEFITS 710
LOG OFF
716
730
732
Rx

FIG. 8B

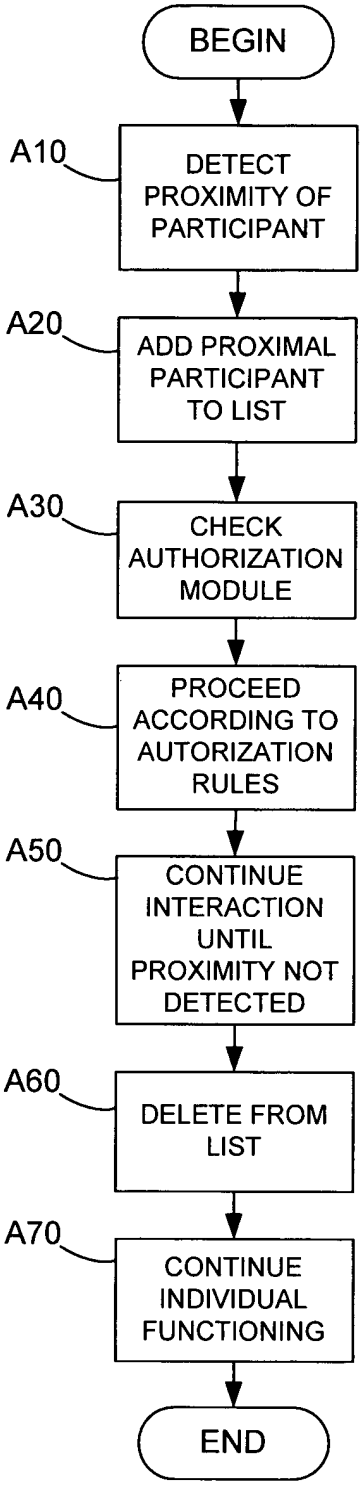
BEGIN
A10
DETECT PROXIMITY OF PARTICIPANT
A20
ADD PROXIMAL PARTICIPANT TO LIST
A30
CHECK AUTHORIZATION MODULE
A40
PROCEED ACCORDING TO AUTORIZATION RULES
A50
CONTINUE INTERACTION UNTIL PROXIMITY NOT DETECTED
A60
DELETE FROM LIST
A70
CONTINUE INDIVIDUAL FUNCTIONING
END

FIG. 9